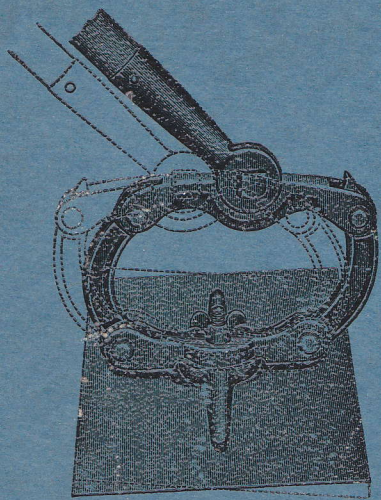


Abram Double Action LONG-HANDLED CEMENT FINISHING TOOLS

"THEY PUT A MAN ON HIS FEET"

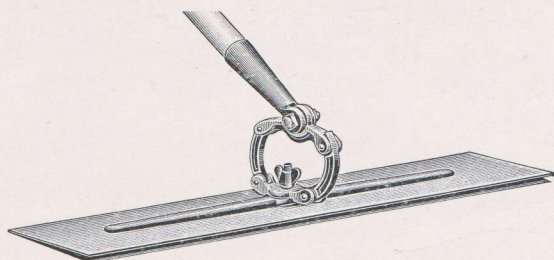


Patented and Manufactured by

ABRAM CEMENT TOOL COMPANY

Detroit, Mich., U. S. A.

“ABRAM” Double-Action Long Handled Tools



ABRAM CEMENT TOOL CO.

3818 GRAND RIVER AVE.

DETROIT, MICH., U. S. A.

Foreword

THE Abram Cement Tool Co., as its name implies, has specialized in tools for working cement since 1911. The famous Abram double-action, long-handled finishers, introduced at that time, were gradually adopted by contractors as the labor saving and superior performance of these automatic tools became known, and they are now standard throughout the industry.

In this catalog are illustrated and listed the entire line of Abram Automatics, a tool for every purpose.

They are handled by all hardware jobbers and all first-class retail hardware stores. Order from your wholesaler or direct from the factory.

The "ABRAM" Double Action Time and Back Saver

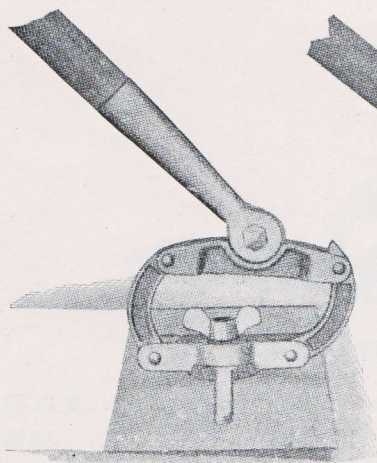
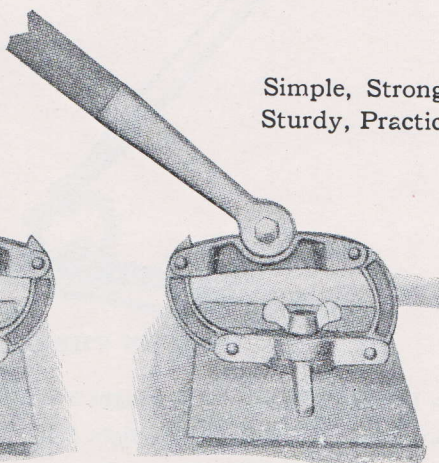


Fig. 1

**ACTION OF THE DEVICE
AS TOOL IS PUSHED**



Simple, Strong
Sturdy, Practical.

Fig. 2

**ACTION OF THE DEVICE
AS TOOL IS PULLED**



Study the illustration carefully

it explains the whole "ABRAM" Double Action idea

As the Trowel is pushed the forward edge of the blade is tilted slightly. See Figure 1.

As the Trowel is pulled this action is reversed and the rear edge of the blade is raised. See Figure 2.

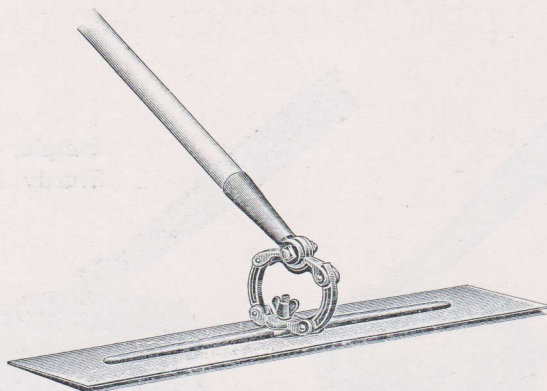
And all this is mechanical--automatic.

The long-handled feature, of course, eliminates a lot of back-breaking attitudes, but the Double Action device is the feature that really makes the big reduction in the amount of effort put forth to do a given amount of work. The position of the operator doesn't have to be changed so often. All work within reach (a sidewalk, for instance) may be finished from one side. The Automatic Double Action absolutely prevents the tool from digging into the concrete.

With an hour's practice an inexperienced man can do a first-class job of finishing.

"They Put a Man On His Feet"

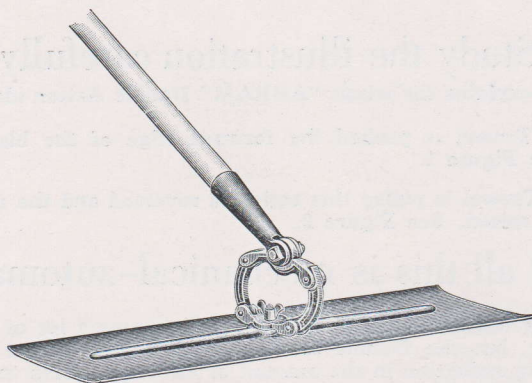
"ABRAM" Double Action Finishing Trowel



MADE IN THREE SIZES

No. 1-A—16"x5", 6' handle, weight 5 lbs.	Per doz.....	\$ 81.00
No. 1-B—24"x5", 6' handle, weight 5 lbs.	Per doz.....	90.00
No. 1-C—36"x5", 6' handle, weight 9 lbs.	Per doz.....	150.00

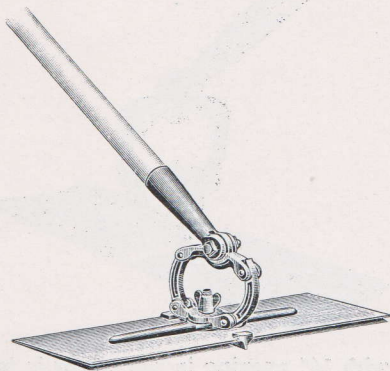
"ABRAM" Double Action Steel Float



No. 4—24"x6" cold rolled steel $\frac{1}{8}$ " thick, beveled face, excels all other floats, sold with 6-foot handle, weight 8 lbs.	
Per doz.	\$90.00

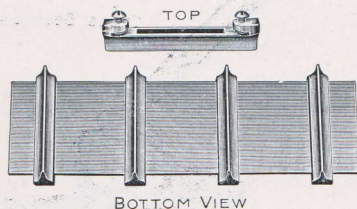
"They Put a Man On His Feet"

"ABRAM" Double Action Jointer



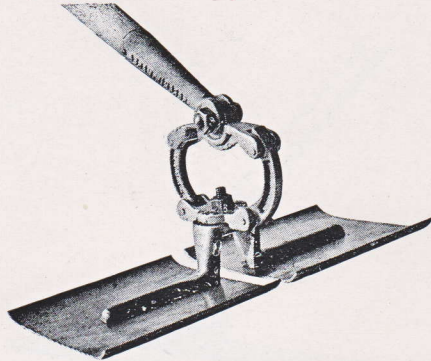
No. 2—16"x5", 6 ft. handle. The joint is a "slip on" attachment and any number may be used on the same tool for grooving driveways and crossings, or none at all, making a 16" trowel, weight 5 pounds. Per doz.....\$84.00

"ABRAM" Double Action Groover

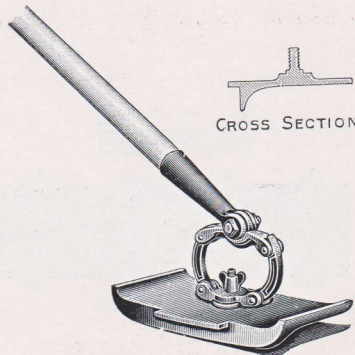


This cut shows our No. 2 jointer equipped as a four line groover by adding three extra No. 43 joint attachments. The attachments cost 90c each. See list of parts on page 14. Attachments made V-shaped. Attachments, per doz.....\$10.80

"They Put a Man On His Feet"

"ABRAM" Divided Double Action Float

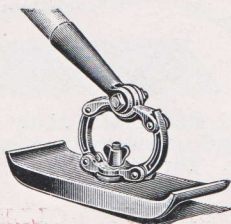
No. 14—16"x6" with $\frac{1}{2}$ " opening in the center is furnished with the "ABRAM" Double-Action device and 6 ft. handle. Made of cold pressed steel, and is designed to float both sides of the expansion joint at the same stroke. Weight 8 lbs. Per doz.\$90.00

"ABRAM" Double Action Edger

No. 300—10" by $4\frac{1}{2}$ ", $\frac{3}{4}$ " radius, and has $\frac{1}{2}$ " by 4" projection on the form face to run on the rail as a guide. 6 ft. handle, nicked iron, weight 6 lbs. Per doz.....\$69.00
 No. 300-B—Hard bronze, weight 6 lbs. Per doz..... 84.00

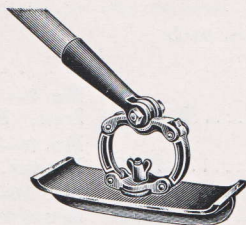
"They Put a Man On His Feet"

"ABRAM" Double Action Edger



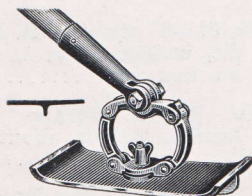
No. 30—10" by $3\frac{1}{4}$ ", with $\frac{7}{8}$ " form face, about $\frac{3}{8}$ " radius, 6 ft. handle, weight 5 lbs., nicked iron. Per doz.....\$60.00
 No. 30-B—Hard bronze, weight 5 lbs. Per doz..... 78.00

"ABRAM" Double Action Jointer



No. 20—10"x $3\frac{1}{4}$ ", nicked iron. Cuts groove $\frac{7}{8}$ " deep by $\frac{5}{8}$ " wide at surface, 6 ft. handle, weight 5 lbs. Nicked iron. Per doz.\$60.00
 No. 20-B—Hard bronze, weight 5 lbs. Per doz..... 78.00

"ABRAM" Double Action Floor Bader



No. 25—10"x $3\frac{1}{4}$ ", 6 ft. handle. Cuts thin and shallow bead for marking or blocking out floors, nicked iron. Weight, 5 lbs. Per doz.....\$60.00
 No. 25-B—Hard bronze. Weight, 5 lbs. Per doz..... 78.00

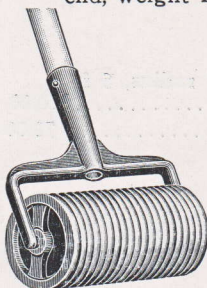
"They Put a Man On His Feet"

"ABRAM" Steel Grout Cutter

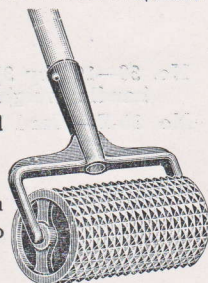
No. 37—4"x20" forged steel blade, 13-16" diameter, round iron handle, hand forged connection, adjustable, with large ring end, weight 15 lbs. Per doz.....\$72.00

SIDEWALK ROLLERS

Line or dot patterns. Length 7" or 12". Iron, bronze, and aluminum.



All rollers are furnished with 6-ft. handles and weigh from 4 to 8 lbs. each.



No. 5—7" Line
Iron. Per doz.....\$ 48.00
No. 6—7" Line
Bronze. Per doz..... 89.40
No. 7—7" Line
Aluminum. Per doz..... 89.40
No. 50—12" Line
Iron. Per doz..... 60.00
No. 70A—12" Line
Aluminum. Per doz..... 104.40
No. 70B—12" Line
Bronze. Per doz..... 104.40

No. 8—7" Dot
Iron. Per doz.....\$ 51.00
No. 9—7" Dot
Bronze. Per doz..... 95.40
No. 10—7" Dot
Aluminum. Per doz..... 95.40
No. 80—12" Dot
Iron. Per doz..... 72.00
No. 100A—12" Dot
Aluminum. Per doz..... 108.00
No. 100B—12" Dot
Bronze. Per doz..... 120.00

"ABRAM" Cement Tamps

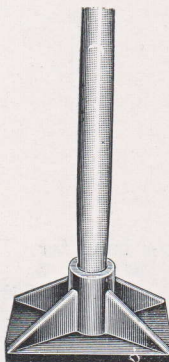
No. 21—8" square, 4-ft. handle, weight about 15 lbs.
Per doz.....\$27.00

No. 22—10" square, 4-ft. handle, weight about 20 lbs. Per doz.....\$33.00

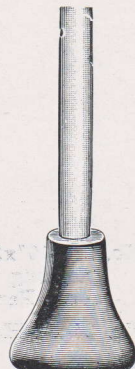
"ABRAM" Dirt Rammers

No. 23—5" diameter on bottom, weight about 15 lbs.
Per doz.....\$27.00

No. 24—6" diameter on bottom, weight about 20 lbs.
Per doz.....\$33.00



21 and 22



23 and 24

"They Put a Man On His Feet"

REPAIR LIST



- No. 29—16" blade only, for No. 1-A trowel, 15 lbs. to doz.
 Per doz.\$ 51.00
 No. 39—24" blade only, for No. 1-B trowel, 15 lbs. to doz.
 Per doz. 60.00
 No. 49—36" blade only, for No. 1-C trowel, 15 lbs. to doz.
 Per doz. 120.00



- No. 59—24" blade only, for No. 4 float, 5 lbs. to doz. Per doz..\$60.00



- No. 46—6-foot handle, less socket, 1 $\frac{1}{8}$ dia., parallel sides, extra grade white ash, 25 lbs. to doz. Per doz.....\$9.00



- No. 301—10"x4 $\frac{1}{2}$ " blade only, for No. 300 edger, 30 lbs. to doz.
 Per doz.\$45.00

- No. 302—Blade only, for No. 300-B edger, 48 lbs. to doz. Doz.\$60.00



- No. 200—Blade only for No. 20 jointer, 27 lbs. to doz. Doz.\$42.00

- No. 200-B—Blade only for No. 20-B jointer, 30 lbs. to doz.
 Per doz.\$54.00

- No. 225—Blade only for No. 25 beader, 27 lbs. to doz. Doz.\$42.00

- No. 225-B—Blade only for No. 25-B beader, 30 lbs. to doz.
 Per doz.\$54.00



- No. 11—Stiff handle attachment, 4 lbs. to doz. Per doz...\$12.00

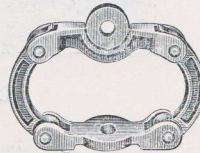


- No. 40—16" blade only, for No. 2 jointer, 15 lbs. to doz. Doz.\$51.00



- No. 41—10"x3 $\frac{1}{4}$ " blade only, for No. 30 edger, nicked iron, 15 lbs. to doz. Per doz....\$36.00

- No. 31—10"x3 $\frac{1}{4}$ " blade only, for No. 30-B edger, bronze, 20 lbs. to doz. Per doz.....\$48.00



- No. 42—D. A. device for any D. A. tool, 12 lbs. to doz. Doz.\$36.00



- No. 43—V-shaped joints for No. 2 jointer, nicked iron, 5 lbs. to doz. Per doz.....\$10.80

- Bronze. 5 lbs. to doz. Doz. \$15.00

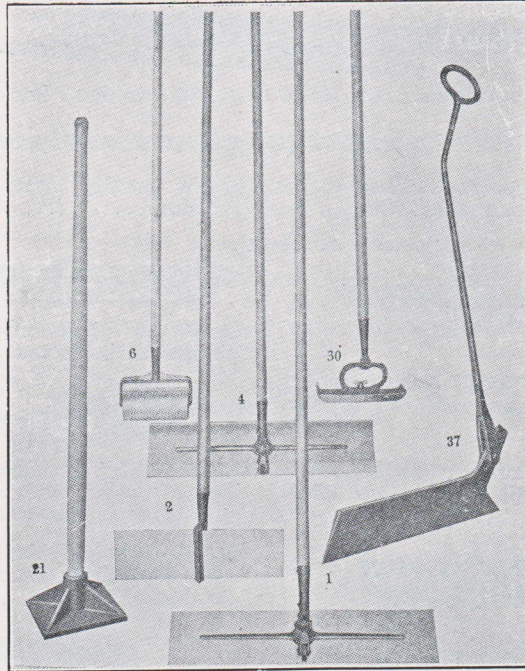


- No. 44—Handle sockets, finished complete, 5 lbs. to doz. Doz.\$6.60

"They Put a Man On His Feet"

ABRAM DOUBLE ACTION SETS

Many men just getting acquainted with the labor-saving features of "Abram" Double Action tools like to start out with a complete set. We have found this idea profitable, and would suggest that you have your dealer instruct his salesmen to encourage the FULL SET purchase.



COMBINATION NO. 49.

Consisting of the following tools:

No. 1B—24" x 5"	Double Action Finishing Trowel
No. 2—16" x 5"	Double Action Jointer
No. 30—10" x 3 1/2"	Double Action Edger
No. 4—24" x 6"	Double Action Steel Float
No. 6—7"	Aluminum Line Roller
No. 21—8" x 8"	Square Tamper
No. 37—20" x 4"	Steel Grout Cutter

Set weighs 60 lbs.

Sel's Complete \$42.70

"They Put a Man On His Feet"

SOME CONSIDERATIONS OF THE AUTOMATIC TOOL IN THE CEMENT PAVING INDUSTRY.

(Reprinted from an article in "The Finishing Touch.")

The introduction of the automatic principle in American industry has been so rapid and painless that a good many people scarcely realize the significance of it. Things have a way of happening very fast in America. The automatic tool has invaded every industry and forced large readjustments, one of which was a change in the attitude of trade unions toward labor saving devices, which they had previously looked upon with disfavor.

A breakdown of organized labor groups happens in any industry which is invaded by the automatic machine. It is a significant fact that the automobile industry, which has carried the automatic principle further than any other, operates an "open shop," while in other professions, such as brick-laying, where no automatic machine has yet been invented, the trade union is still strong. Unions have served their purpose well, and they came into existence to serve a real need, but when they disappear in any industry, the cause is usually found in some labor saving machine. There is no malice of intention; the decline of union labor is due to progress and economic readjustments. Progressive unions realize this, and it is to their credit that they were ready to co-operate.

The ABRAM long-handled double-action finishing tools brought the automatic principle to the cement paving industry and they were instantly appreciated and accepted. Here was a device that enabled any inexperienced man to do the work of three or four cement finishers, and do it better.

Progressive contractors were quick to grasp the possibilities and to take advantage of them.

You cannot make an omelette without breaking eggs, and it was only natural that the Abram Automatic Finisher met with some opposition from the cement finishers' union, as well as from old-fashioned contractors. In this connection, as an example of resistance to a new idea, an experience which happened ten years ago in Chicago is significant. At that time the Abram long-handled double-action tools were just being introduced, and the policy was to sell the outfits on trial. When the salesman came back to the job to complete the sale he repeatedly found the tools smashed up. Finally a delegate from the union called at the office of the company, then in Chicago Heights. "Your invention," he said, "is quite remarkable and we feel that it will revolutionize cement finishing, but you made a mistake in not securing the approval of the union. It won't cost you much." His demands were refused, for it was felt that the long-handled tool would inevi-

tably succeed on its own merits. It did. In that same year Burr Otis saw the tools at the Cement Show and brought them to Detroit, where his pioneering did much to introduce them in that city, because a large and successful operator is always imitated. Today it would be difficult to find a job in Detroit where the finishing is not done with the ABRAM double-action tool.

When contractors became acquainted with the ABRAM long-handled, double-action tools, their labor problems were solved, because any inexperienced laborer on the gang could finish like an expert—like three experts. Overtime became an annoyance of the past.

In this way, ABRAM long-handled, double-action tools performed the same service to the paving industry that the pneumatic hammer did to the riveting industry. Meanwhile, in every other branch of industry, the automatic tool was enlarging the output-per-man, turning out bathtubs, telephones, phonographs, washing machines and electric lights by the thousands. The result? It is that in America luxur-

ies become common possessions. In America there are some 14,000,000 automobiles. In all the rest of the world there are only 4,000,000. Our telephone system is the marvel of Europe. As one writer puts it our scale of living is "the envy and the despair of the rest of the world."

The breakdown of the trade groups has brought prosperity to America. No workman is tied down to one group. Superior effort on the part of the individual is instantly rewarded. Conditions in the eastern hemisphere are much different. Wild communistic experiments in Russia and Germany bring forth nothing good or enviable. Frantic manipulations by the English government of unemployment insurance, old age pensions, and such meliorative legislation do not bring prosperity and contentment to British workers. The causes of American prosperity are not to be summed up in any simple formula, but Yankee ingenuity in devising labor-saving tools has been a large factor in bringing it about, and it is a matter of satisfaction to believe that in this the ABRAM long-handled, double-action finishing tools played a part.

"They Put a Man On His Feet"
THAT'S WHY YOU CAN PUSH THEM WITH CONFIDENCE

WE ARE PUBLISHERS OF
"THE FINISHING TOUCH"
PUBLISHED EVERY
NOW AND THEN IN OUR
OFFICE IN THE INTEREST
OF BUILDERS FOR PER-
MANENCE

GET YOUR NAME ON OUR
MAILING LIST. *IT'S FREE.*

ABRAM CEMENT TOOL CO.
DETROIT, MICH., U. S. A.